



INDIANA DEPARTMENT OF TRANSPORTATION

STANDARDS COMMITTEE MEETING MINUTES

Driving Indiana's Economic Growth

February 20, 2006

MEMORANDUM

TO: Standards Committee

FROM: Dannie L. Smith, Secretary

RE: Minutes for the February 16, 2006 Standards Committee Meeting

The Standards Committee meeting was called to order by the Chairman at 9:00 a.m. on February 16, 2006 in the N755 Bay Window Conference Room. The meeting was adjourned at 11:15 a.m.

The following members or their representatives were in attendance:

Mark Miller, Chairman	Robert Cales, Estimating
Jim Keefer, Ft. Wayne Dist.	Dennis Kuchler, State Constr. Engr.
Larry Rust, Traffic Control	Richard VanCleave, Roadway Std.

Also in attendance were the following:

Dave Andrews, Pvmt Engineering	Ron Heustis, Constr. Tech. Supp.
Dan Smith, Secretary	Ed Ratulowski, FHWA
David Unkefer, FHWA	Paul Berebitsky, ICI

New Business

Item 9-1	Mr. Cales	2/16/06	3
105.06	Cooperation with Utilities	100-35	
Action:	Passed as submitted		
Item 9-2	Mr. Cales	2/16/06	4
206.11(a)	Culverts and Retaining Walls	200-61	
Action:	Passed as revised		
Item 9-3	Mr. VanCleave	2/16/06	5
Standard Drawings	610-DRIV-13		
	610-PRAP-04, 08, & 11		
Action	Passed as revised		

Item 9-4 610.06 Action:	Mr. Cales Basis of Payment Passed as submitted	2/16/06 600-33	8
Item 9-5 714.07 Action:	Mr. Cales Method of Measurement Passed as submitted	2/16/06 700-104	10
Item 9-6 714.08 Action:	Mr. Cales Basis of Payment Passed as revised	2/16/06 700-104	11
Item 9-7 Design Manual Action:	Mr. Cales Section 17-4.05(02) Passed as revised	2/16/06	12
Item 9-8 801.17 Action:	Mr. Cales Method of Measurement Passed as submitted	2/16/06 800-17	19
Item 9-9 801.18 Action:	Mr. Cales Basis of Payment Passed as submitted	2/16/06 800-19	20
Item 9-10 923.02 923.02(a) 923.02(b) 923.02(c) 923.02(d) Action:	Mr. Miller Temporary Raised Pavement Marker Optical Requirements Strength Requirements Adhesive Acceptance Evaluation Passed as revised	2/16/06 900-210 900-210 900-211 900-212 900-212	21
Item 9-11 923.07 Action:	Mr. Miller <i>Acceptance of Temporary Traffic Control Devices</i> Passed as revised	2/16/06 900-219	25
Item 9-12 610.04	Mr. Cales Existing Approaches and Crossovers Passed as developed at meeting	2/16/06 600-33	26

cc: Committee Members (7)	ACPA Representative (1)
Districts (28)	Contech Representative (1)
FHWA (3)	IKO Representative (1)
ICI Representative (1)	Bridgetek Representative (1)
IMAA Representative (1)	INDOT Toll Road (3)
APAI Representative (1)	Traffic Design (3)
ACEC Representative (1)	Estimators (3)
ADS Representative (1)	Specification Writers (4)
Mirich Representative	

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 105, BEGIN LINE 160, DELETE AS FOLLOWS:

The contract documents ~~in 107.25~~ identify each known utility and describe all known necessary work and an anticipated schedule for completion. However, if a utility

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
None	Frequency Manual Update Required? No
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	None
Motion: Mr. Cales Second: Mr. Keefer Ayes: 5 Nays: 0	Action: Passed as submitted Effective - September 2007 Supplementals

Received FHWA Approval? Yes

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 206, BEGIN LINE 389, DELETE AND INSERT AS FOLLOWS:

(a) Culverts ~~and Retaining Walls~~

This requirement will not include pipe culverts. Except as otherwise provided herein, excavation for culverts ~~and retaining walls~~ will not be paid for directly. The cost thereof shall be included in the cost of the class of concrete used therein. The cost of all necessary removal and satisfactory disposal of all or part of the existing old structure unless its removal is otherwise provided for, cleaning out an old channel or constructing a new channel within the right-of-way limits and widening it to the grade of the existing or proposed new stream bed as shown on the plans or as directed, construction of all necessary curbs and cofferdams and their subsequent removal, subsoil borings or soundings below bottom of footings, dewatering, disposal of excavated materials, and all labor, equipment, tools, and necessary incidentals shall be included in the cost of this work.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
714.08 Pg 700-104	Frequency Manual Update Required? No
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
731-R-202 732-R-310 732-R-433 735-R-468	None
Motion: Mr. Cales Second: Mr. Keefer Ayes: 5 Nays: 0	Action: Passed as revised Effective - May 2006 Letting September 2007 Supplementals
	Received FHWA Approval? Yes

REVISION TO 2006 STANDARD DRAWINGS

610-DRIV-13, DRIVES
610-PRAP-04, PUBLIC ROAD APPROACH TYPE A & B
610-PRAP-08, PUBLIC ROAD APPROACH TYPE C
610-PRAP-11, PUBLIC ROAD APPROACH TYPE D

Corrects disparities between Design Manual and Standards

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
---	--

None

Frequency Manual
Update Required? No

Recurring Special Provisions
potentially affected:

None

Standard Sheets potentially affected:

See Above

Motion: Mr. VanCleave
Second: Mr. Kuchler
Ayes: 5
Nays: 0

Action: Passed as revised
Effective - September 2006 Letting

Received FHWA Approval? Yes

Replace table on E 610-PRAP-04 with this table →

Design Speed		High, ≥ 80 km/h (≥ 50 mph)	Low, ≤ 70 km/h (≤ 45 mph)
Design Year AADT		≥ 6000	< 6000
Multi-Lane Divided, All Functional Class.	Incoming Slope	10:1	10:1
	Outgoing Slope	4:1	4:1
Multi-Lane Undivided, All Functional Class.	Incoming Slope	10:1	6:1
	Outgoing Slope	4:1	4:1
2-Lane Arterial or Collector		6:1	4:1
2-Lane Local Road		4:1	4:1

Speeds should match Green Book

Notes:

1. The table applies to driveways or public road approaches.
2. Incoming or outgoing slope is with respect to the adjacent travel lane's direction of traffic.
3. Each culvert end within the clear zone should have ~~a graded end section~~, which is placed on a slope no steeper than shown above. *an appropriate end treatment*
4. Both transverse median slopes at a crossover or a ditch check should be 10:1 without regard to design speed, design year AADT, or functional classification.

TRANSVERSE SLOPES

Figure 49-3A

This change affects the following:
 Design Manual Fig. 49-3A
 Std. Dwg. 610-DRIV-13
 Std. Dwg. 610-PRAP-04
 Std. Dwg. 610-PRAP-08
 Driveway Permits Manual

[F:\Des\05PRAD.doc]

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 610, BEGIN LINE 52, DELETE AND INSERT AS FOLLOWS:

610.06 Basis of Payment

The accepted quantities of HMA mixture for approaches will be paid for at the contract unit price per ton (megagram) of the type specified, complete in place. Compacted aggregate base will be paid for in accordance with 301.10. PCCP for approaches will be paid for at the contract unit price per square yard (square meter) *of the thickness specified*, complete in place.

HMA patching will be paid for in accordance with 304.07. PCCP patching will be paid for in accordance with 305.07.

Prime coat will be paid for in accordance with 405.10. Tack coat will be paid for in accordance with 406.07. Seal coat will be paid for in accordance with 404.10.

The quantities of materials placed on the 3 ft (1 m) wedge on approaches, when placed with the mainline pavement shall be included in the mainline HMA items and paid for in accordance with 401.22 or 402.20. The quantities, when placed separately from the mainline pavement, shall be included in the quantities for HMA for approaches and paid for in accordance with 610.06.

The quantities of materials for the paving or resurfacing of turn lanes, passing lanes, acceleration lanes, deceleration lanes, and recovery lanes greater than 100 ft (30 m), excluding tapers, shall be included in the mainline quantities and paid for in accordance with 401.22, 402.20, 501.31, or 502.23 whichever is applicable.

The accepted quantities of HMA material for mailbox approaches will be included with quantities required to construct the shoulder section when the shoulder is to be paved. If the shoulder is not to be paved, the HMA material for mailbox approaches will be paid for as HMA mixture for approaches *of the type specified*.

Payment will be made under:

Pay Item	Pay Unit Symbol
HMA for Approaches, Type <u> *</u>	TON (Mg)
PCCP for Approaches, <u> </u>	SYS (m2)
<i>thickness</i>	

* Mixture type in accordance with 402.04.

The cost of excavation, shaping, leveling, forming, compaction, placing, and all necessary incidentals shall be included in the cost of the pay items in this section.

~~The cost of the 3 ft (1 m) wedge placed on approaches at the same time and in conjunction with the mainline HMA intermediate or surface, or if turn lanes, passing lanes, acceleration lanes, deceleration lanes, or recovery lanes are greater than 100 ft (30 m) longitudinally, payment will be made at the same unit price as for the material placed on the mainline.~~

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 610 CONTINUED.

The cost for curbing placed monolithically with the PCCP ~~for~~ on approaches shall be included in the cost of PCCP for approaches.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
---	--

713.09 Pg 700-101	Frequency Manual Update Required? No
-------------------	---

Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
---	---------------------------------------

None	None
------	------

Motion: Mr. Cales Second: Mr. Keefer Ayes: 5 Nays: 0	Action: Passed as submitted Effective - May 2006 Letting September 2007 Supplementals
---	---

Received FHWA Approval? Yes

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 714, BEGIN LINE 86, INSERT AS FOLLOWS:

714.07 Method of Measurement

Concrete used in retaining walls, culverts, and culvert extensions will be measured in accordance with 702.27. Reinforcing steel will be measured in accordance with 703.07. Precast reinforced concrete box sections and precast reinforced concrete box section extensions will be measured by the linear foot (meter), complete in place. *Common excavation for retaining walls will be measured by the cubic yard (cubic meter) to the neat lines shown on the plans.* Structure backfill and B borrow for retaining walls will be measured in accordance with 211.09 to the neat lines shown on the plans. Field drilled holes will be measured in accordance with 702.27.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
--	--

None	Frequency Manual Update Required? No
------	---

Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
--	---------------------------------------

731-R-202 732-R-310 732-R-433 735-R-468	None
--	------

Motion: Mr. Cales Second: Mr. Keefer Ayes: 5 Nays: 0	Action: Passed as submitted Effective - May 2006 Letting September 2007 Supplementals
---	---

Received FHWA Approval? Yes

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 714, BEGIN LINE 94, INSERT AS FOLLOWS:

714.08 Basis of Payment

The accepted quantities of concrete used in retaining walls, culverts, and culvert extensions will be paid for at the contract unit price per cubic yard (cubic meter) for concrete, of the class specified, structures. Reinforcing steel will be paid for in accordance with 703.08. Precast reinforced concrete box sections will be paid for at the contract unit price per linear foot (meter) for culvert, precast reinforced concrete box sections, of the size specified, complete in place. Precast reinforced concrete box section extensions will be paid for at the contract unit price per linear foot (meter) for culvert extension, precast reinforced concrete box sections, of the size specified, complete in place. *Common excavation for retaining walls will be paid for at the contract unit price per cubic yard (cubic meter) to the neat lines shown on the plans in accordance with 203.28. Structure backfill and B borrow for retaining walls will be paid for in accordance with 211.10 to the neat lines shown on the plans.* Field drilled holes will be paid for in accordance with 702.28.

SECTION 714, BEGIN LINE 119, INSERT AS FOLLOWS:

The cost of excavation *except for retaining walls and except* as provided in 206.11(a), expansion joint material, perpetuation of existing drains shown on the plans, sealing of existing structures, removal of existing structures, removal of portions of existing structures, cleaning out old channels, approved chemical anchor system, precast reinforced concrete structure joints, and necessary incidentals shall be included in the cost of the pay items in this section.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
--	--

717.09 Pg 700-124	Frequency Manual Update Required? No
-------------------	---

Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
--	---------------------------------------

731-R-202	None
732-R-310	
732-R-453	
735-R-468	

Motion: Mr. Cales	Action: Passed as revised
Second: Mr. Kuchler	Effective - May 2006 Letting
Ayes: 5	September 2007 Supplementals
Nays: 0	

Received FHWA Approval? Yes

REVISION TO ROAD DESIGN MANUAL

SECTION 17-4.05(02)

Figure 05-25A, Cast-in-Place Concrete Retaining Wall Earthwork Quantities Limits.

Figure 05-25B, MSE Retaining Wall Earthwork quantities Limits.

Figure 05-25C, MSE Retaining Wall Earthwork Quantities Limits.

These figures along with the corresponding metric versions are being revised to reflect the limits of excavation.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
--	--

None

Frequency Manual
Update Required? No

Recurring Special Provisions potentially affected:

Standard Sheets potentially affected:

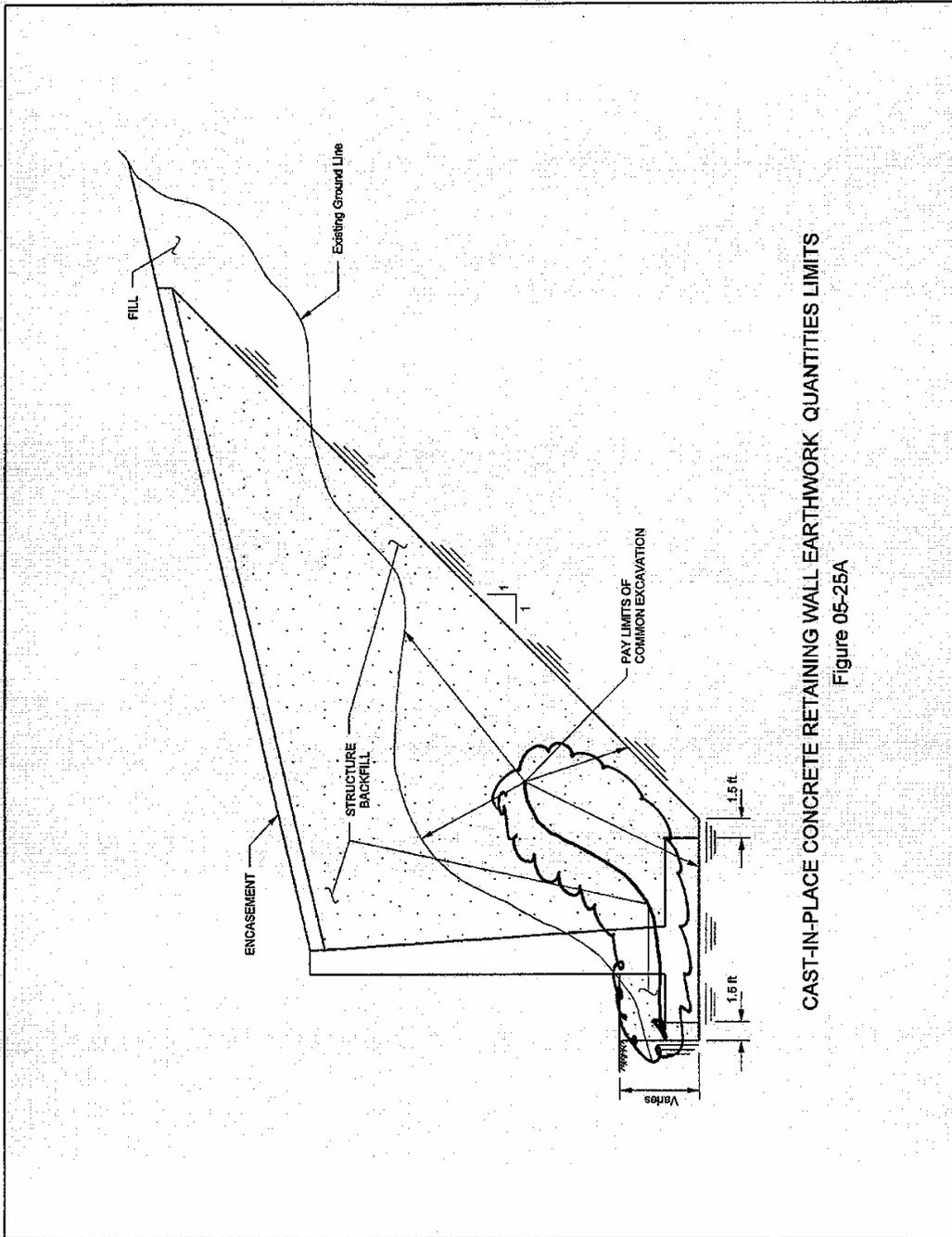
731-R-202
732-R-310
732-R-433
735-R-468

None

Motion: Mr. Cales
Second: Mr. VanCleave
Ayes: 5
Nays: 0

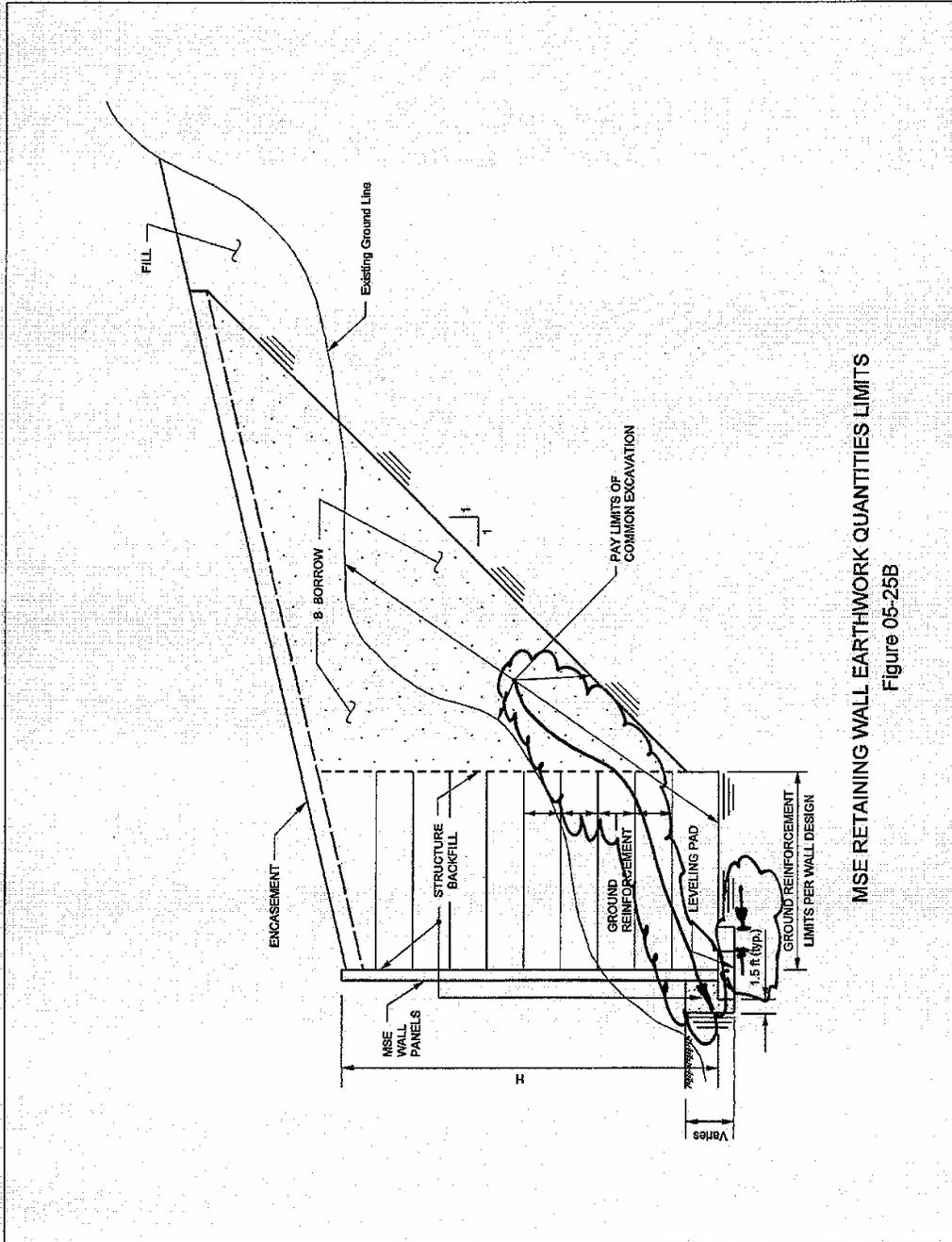
Action: Passed as revised
Effective - May 2006 Letting

Received FHWA Approval? Yes



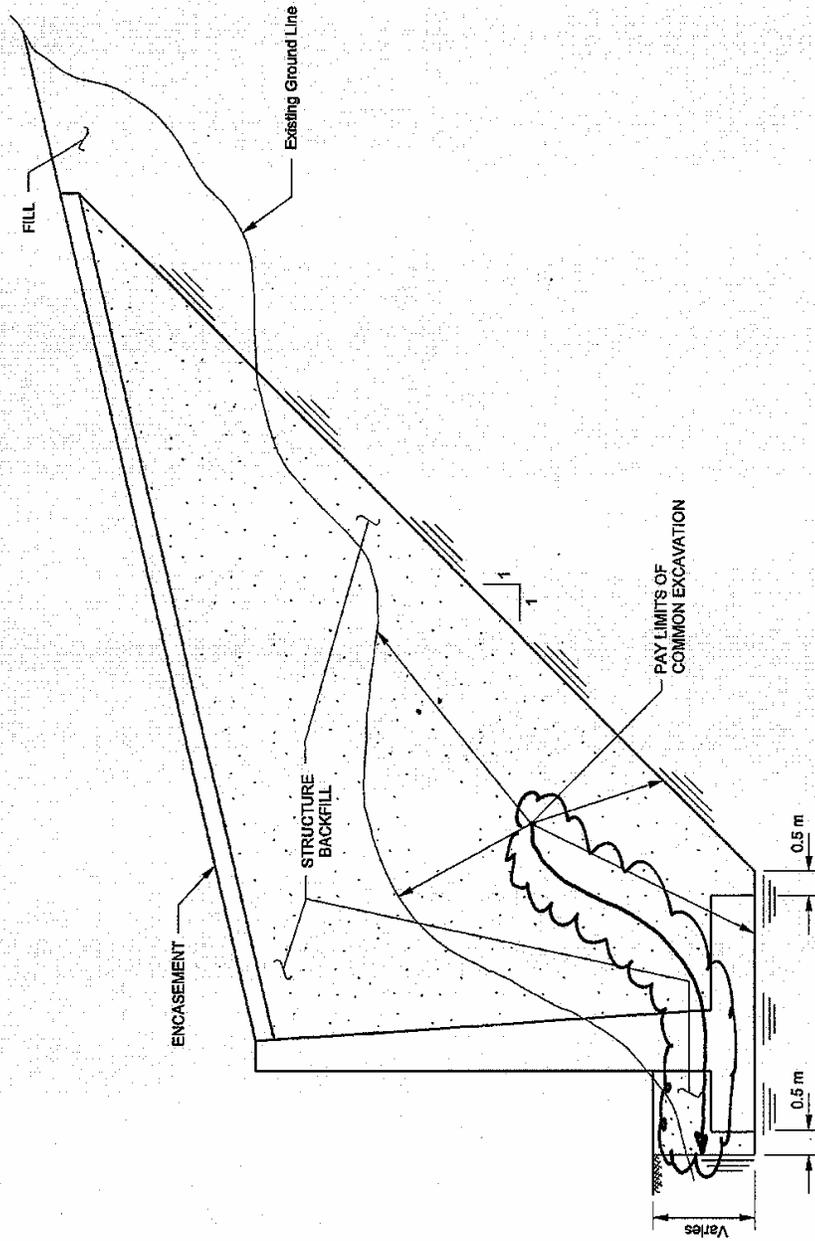
CAST-IN-PLACE CONCRETE RETAINING WALL EARTHWORK QUANTITIES LIMITS

Figure 05-25A



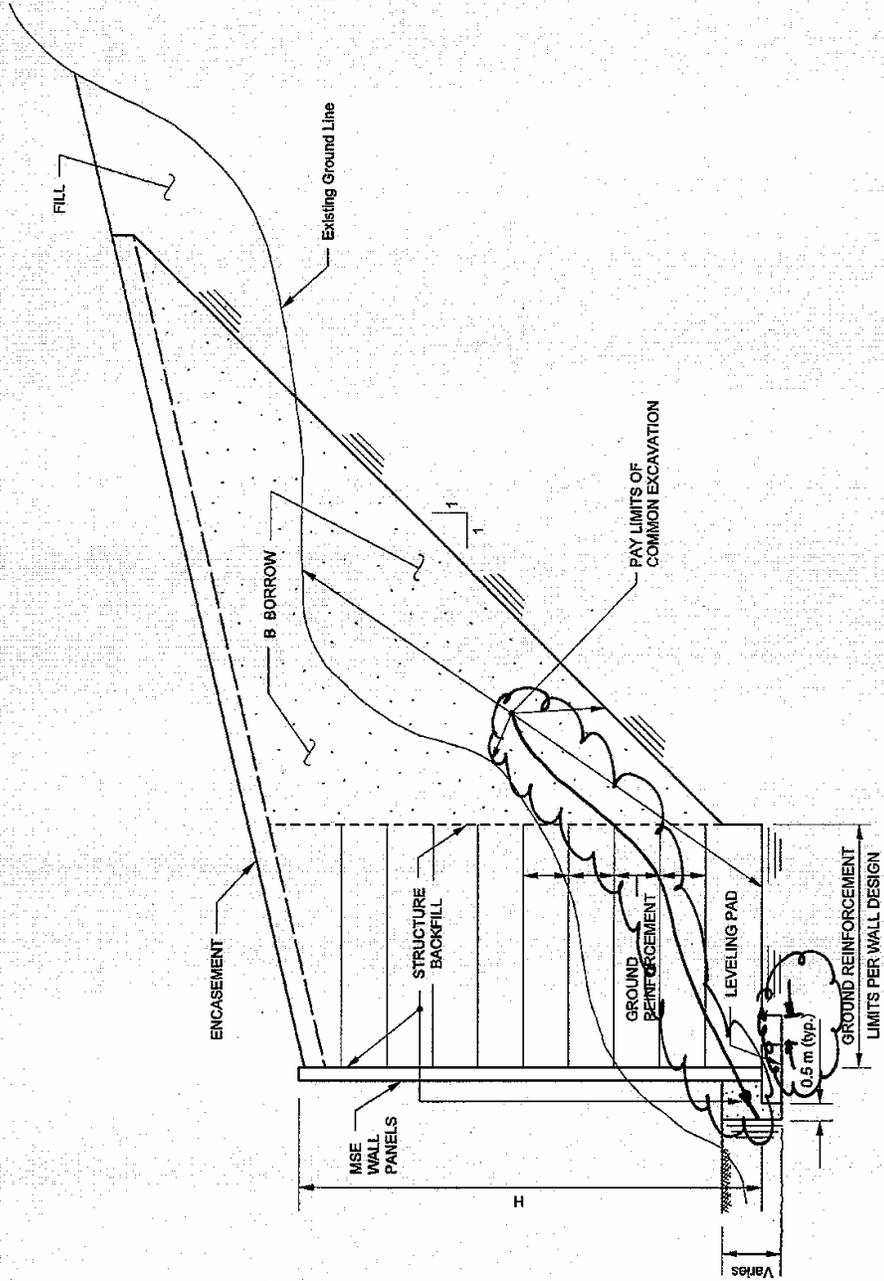
MSE RETAINING WALL EARTHWORK QUANTITIES LIMITS

Figure 05-25B



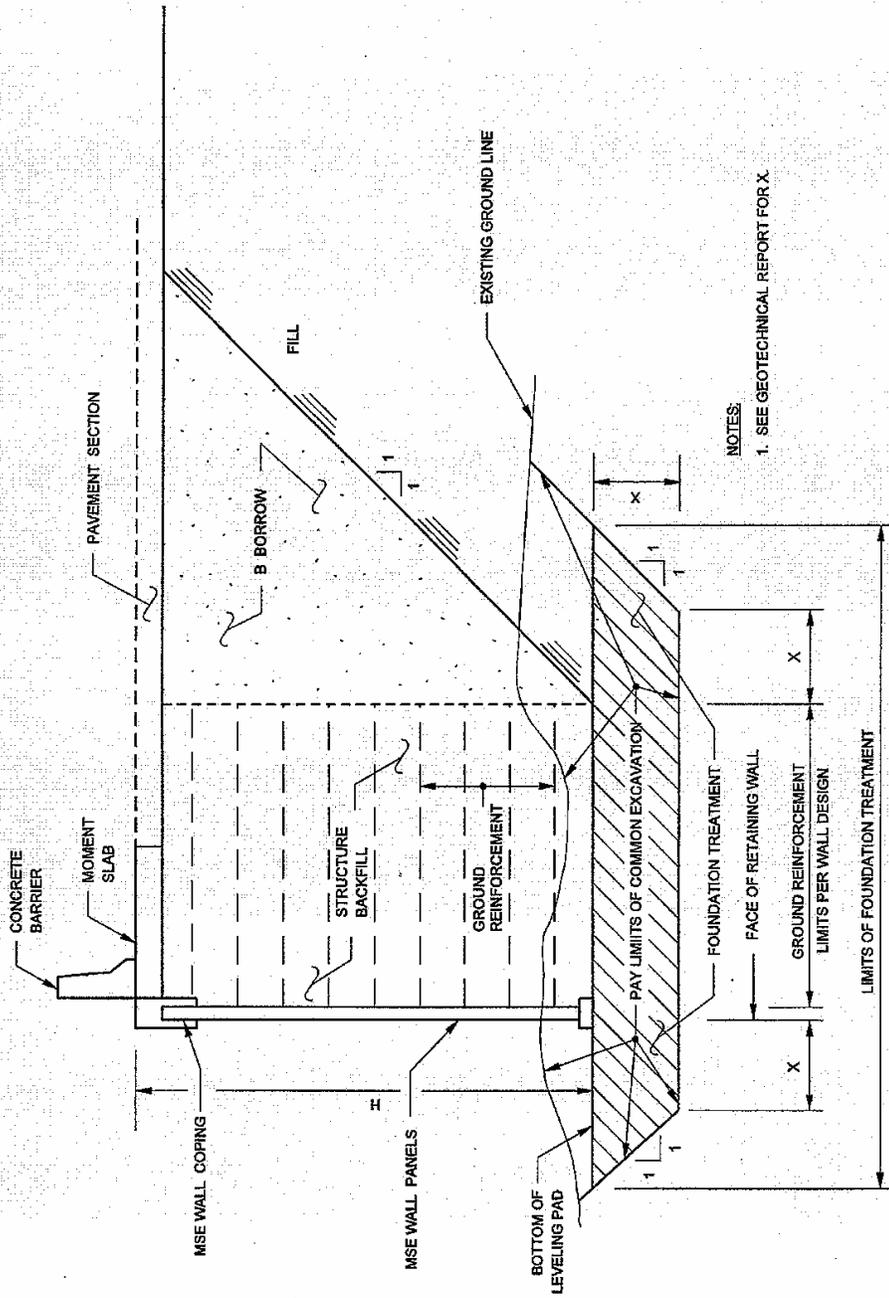
CAST-IN-PLACE CONCRETE RETAINING WALL EARTHWORK QUANTITIES LIMITS

Figure 17-4B



MSE RETAINING WALL EARTHWORK QUANTITIES LIMITS

Figure 17-4C



MSE RETAINING WALL EARTHWORK QUANTITIES LIMITS

(Showing Foundation Treatment)

Figure 17-4D

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 801, BEGIN LINE 823, INSERT AS FOLLOWS:

Construction zone energy absorbing terminals, *cz, used on type 1 and type 3 temporary traffic barriers* will be measured by the number of terminals placed.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? Yes NEED CONSTRUCTION MEMO
408.07 Pg 400-38	
507.09 Pg 500-47	Frequency Manual
713.08 Pg 700-101	Update Required? No
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	None
Motion: Mr. Cales	Action: Passed as submitted
Second: Mr. Keefer	Effective - May 2006 Letting
Ayes: 5	September 2007 Supplementals
Nays: 0	
	Received FHWA Approval? Yes

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 801, BEGIN LINE 887, INSERT AS FOLLOWS:

Construction zone energy absorbing terminal, *cz when used with type 1 or type 3 temporary traffic barriers* will be paid for at the contract unit price per each for energy absorbing terminal, *cz*, of the test level placed. Each unit will be paid for only once regardless of how many times it is moved. *Construction zone energy absorbing terminal, cz when used with type 2 or type 4 temporary traffic barriers will be paid for at the contract unit price per linear foot (meter) of type 2 or type 4 temporary traffic barrier.* Back-up units will be paid for as energy absorbing terminal, *cz*, of the test level placed, if they are placed in service due to non-repairable damage to the units already in service. Due to the nature of the TRACC-350 unit, the Engineer must agree that the in-service unit has been damaged to the extent that it is non-repairable before a standby TRACC-350 unit will be considered for payment.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
107.18 Pg 100-68	Frequency Manual
408.08 Pg 400-39	Update Required? No
507.10 Pg 500-48	
713.09 Pg 700-101	
Recurring Special Provisions potentially affected:	Standard Sheets potentially affected:
None	None
Motion: Mr. Cales	Action: Passed as submitted
Second: Mr. Keefer	Effective - May 2006 Letting
Ayes: 5	September 2007 Supplementals
Nays: 0	

Received FHWA Approval? Yes

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 923, BEGIN LINE 41, DELETE AND INSERT AS FOLLOWS:

923.02 Temporary Raised Pavement Markers

Temporary pavement markers shall be *designed to be* affixed with adhesive to the pavement surface *and shall be in accordance with ASTM D4280. Adhesive shall be in accordance with the manufacturer's recommendations.* ~~A temporary raised pavement marker shall consist of a shell, a reflective element, and an adhesive. The shell shall be black or the same color as the pavement marking being supplemented or replaced. The reflective element shall be either a reflective prismatic lens or reflective sheeting. A uni-directional marker shall meet the visual requirements of this specification when viewed from the front of the marker and a bi-directional marker shall meet the visual requirements when viewed from either direction. Two uni-directional markers placed back to back are an acceptable alternate for a bi-directional marker.~~

The dimensions of the front view of the marker shall be as follows:

DIMENSION	MINIMUM	MAXIMUM
Width of marker shell	3.8 in. (97 mm)	
Height of marker shell without adhesive	0.5 in. (13 mm)	
Height of marker shell with adhesive		1.0 in. (25 mm)
Area of prismatic lens reflecting surface	0.30 in. ² (194 mm ²)	
Area of sheeting reflecting surface	1.0 in. ² (645 mm ²)	

(a) Optical Requirements

~~The white and yellow reflective elements shall have the initial minimum reflectance values specified in the following tables when measured in accordance with ASTM E 809. The photometric characteristic to be measured shall be the coefficient of luminous intensity. This coefficient shall be expressed as candlepower per footcandle (candelas per lux). The entrance angle vertical component, Beta 1, shall be the clockwise angle formed from the vertical half plane, passing through the bottom front edge of the reflective element, to the face of the reflective element when viewed from the right side.~~

**TABLE 1
 REFLECTIVE SHEETING ELEMENT FOR GRADE 2 MARKERS**

Observation Angle (degrees)	Entrance Angle Horizontal Component Beta-2 (degrees)	Coefficient of Luminous Intensity Candlepower/foot candle (candelas/lux)	
		White	Yellow
0.2	-4	1.0 (0.0929)	0.60 (0.0558)
0.5	-4	0.4 (0.0372)	0.24 (0.0223)

**TABLE 2
REFLECTIVE SHEETING ELEMENT FOR GRADE 1 MARKERS**

Observation Angle (degrees)	Entrance Angle Horizontal Component Beta 2 (degrees)	Coefficient of Luminous Intensity Candlepower/foot candle (candelas/lux)	
		White	Yellow
0.2	-4	1.00 (0.0929)	0.60 (0.0558)
0.5	+20	0.4 (0.0372)	0.24 (0.0223)
0.5	-4	0.4 (0.0372)	0.24 (0.0223)

**TABLE 3
REFLECTIVE PRISMATIC LENS ELEMENT**

Observation Angle (degrees)	Entrance Angle Horizontal Component Beta 2 (degrees)	Coefficient of Luminous Intensity Candlepower/foot candle (Candelas/lux)	
		White	Yellow
0.2	+20	0.04 (0.00372)	0.24 (0.0223)
0.2	0	1.0 (0.093)	0.24 (0.0223)

The grade 2 marker does not require daytime visibility and target value. The shape, color, and finish of the grade 1 marker shall provide an adequate diffused specular daytime signal. A diffused specular daytime signal will be considered adequate when the area of the horizontal projection, as determined from a point of projection of the front view of the marker less the projected areas of the reflective element and non specular materials, is a minimum of 144 in.² (92 900 mm²). A minimum of 96 in.² (61 900 mm²) of this projection shall be attributable to that portion of the front view greater than 0.125 in. (3 mm) above the reference plane. For purposes of this requirement, the reference plane shall be the horizontal plane passing through the base of the marker and the point of projection shall be the point located 490 ft (149.4 m) horizontally in front of the marker and 42 in. (1.1 m) above the referenced plane.

(b) Strength Requirements

The marker shall withstand a 10,000 lb (44.5 kN) load without cracking or permanent deformation. The testing procedure shall consist of centering a marker between the flat paralleled platens of a compression testing machine. A flat piece of 50-60 Shore A durometer rubber 6 in. by 6 in. by 3/8 in. (150 mm by 150 mm by 10 mm) shall be centered on top of the marker. The load shall be slowly applied through the rubber to the top of the marker. Failure shall constitute either cracking or permanent deformation of the marker at any load less than 10,000 lb (44.5 kN).

(c) Adhesive

The adhesive shall be compatible with the marker materials and shall not cause deterioration of the marker or concrete and HMA pavements. The three types of acceptable adhesives shall be a pre-applied pressure sensitive adhesive, and adhesive pad, or an asphalt adhesive.

The asphalt adhesive shall be used only on concrete pavement surfaces and on HMA pavement surfaces which receive an additional pavement course of at least 3/4 in. (19 mm) thickness.

~~Pre-applied pressure sensitive adhesive shall be pre-qualified for use from a field evaluation.~~

~~The adhesive pad shall be sized to fit the marker's dimensions and shall consist of pressure sensitive, 100% solids, approximately 0.04 in. (1.0 mm) thick, with closed cell release paper on each side. The pressure sensitive adhesive, when applied with a minimum application pressure of 60 psi (414 kPa), shall possess a minimum tensile or shear strength of 15 psi (103 kPa) at 70°F (21°C) ambient air temperature. An adhesive primer shall be used to promote optimum adhesion when the adhesive pad is placed on old asphalt or concrete surfaces that have one or more additional courses. The adhesive primer shall be as recommended by the manufacturer of the adhesive pad. The adhesive primer shall not be used on the surface course.~~

~~The asphalt adhesive shall be applied using an appropriate melter or applicator and shall be in accordance with the following.~~

CHARACTERISTIC	REQUIREMENT
Specific Gravity	1.80
Weight per cubic foot (Mass per cubic meter)	110 lb (1762 kg)
Flash point per ASTM D 92	509°F (265°C)
Bitumen content per ASTM D 2172	25 – 30%
Filler content (by subtraction)	70 – 75%
Filler particle size	Over 85% passing #200 (75 µm) mesh sieve
Penetration at 77°F (25°C) per ASTM D 5	12 ± 4
Softening point (Ring and Ball) per ASTM D 36	221°F ± 5°F (105°C ± 3°C)
Recommended pouring temperature	400 – 425°F (204 – 218°C)
Shelf life	2 years
Packing	Silicone lined cardboard boxes containing approximately 62 lb (28.1 kg) each

~~Note: Material shall not contain rubber polymers.~~

(d) Acceptance Evaluation

Markers shall be selected from the Department's list of approved Temporary Raised Pavement Markers. Temporary raised pavement markers will be placed and maintained on the approved list in accordance with ITM 806, *procedure XX*.

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 923 CONTINUED.

Other sections containing
specific cross references:

None

General Instructions to Field Employees
Update Required? No

Frequency Manual
Update Required? No

Recurring Special Provisions
potentially affected:

None

Standard Sheets potentially affected:

None

Motion: Mr. Cales
Second: Mr. Keefer
Ayes: 5
Nays: 0

Action: Passed as revised
Effective - September 2007 Supplementals

Received FHWA Approval? Yes

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 923, AFTER LINE 320, INSERT AS FOLLOWS:

923.07 Acceptance of Temporary Traffic Control Devices

Temporary traffic control devices will be accepted by visual inspection unless otherwise indicated.

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
--	--

None

Frequency Manual
Update Required? No

Recurring Special Provisions potentially affected:

None

Standard Sheets potentially affected:

None

Motion: Mr. Cales
Second: Mr. Kuchler
Ayes: 5
Nays: 0

Action: Passed as revised
Effective - May 2006 Letting
September 2007 Supplementals

Received FHWA Approval? Yes

REVISION TO 2006 STANDARD SPECIFICATIONS

SECTION 610, LINE 35, INSERT AS FOLLOWS:

the surface shall be patched in accordance with 304.04 or 305.04, or as directed. *Existing approaches or crossovers that have been rubblized shall be primed in accordance with 405 prior to being paved.*

Other sections containing specific cross references:	General Instructions to Field Employees Update Required? No
---	--

610.05 Pg 600-33

Frequency Manual
Update Required? No

Recurring Special Provisions
potentially affected:

None

Standard Sheets potentially affected:

None

Motion: Mr. Cales
Second: Mr. Keefer
Ayes: 5
Nays: 0

Action: Passed as developed at meeting
Effective - May 2006 Letting
September 2007 Supplementals

Received FHWA Approval? Yes